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INTELLIGENCE REPORT

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COUNTRY USSR (Sverdlovsk Oblast)

DATE

INFO.

SUBJECT Industries in Pervo'uralsk

DIST. 23 April 1947

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SUPPLEMENT

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ORIGIN

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PERVO'URALSK (56°54'N 59°56'E)

1. Order of Lenin Factory #703

Location: Two to three kilometers distant from Pervo'uralsk railroad station and 45 kilometers WNW of Sverdlovsk.

Production: Comprising 30 sections, the factory as of date produced a monthly average of 36,000 gun-barrels of all types, including rifles. The artillery tubes vary from 57mm to 220mm in bore; the heaviest weight 840 kilograms, with a 35mm wall thickness. AAA tubes range in caliber from 10mm to 35mm. The section producing gun-barrels operates in three 8-hour shifts of 700 workers each. Oxygen tanks of 60, 33, and 17 liter capacity are produced in a separate section of the plant. The containers have a wall thickness of from 2 to 2 $\frac{1}{2}$ mm. The section operates in three 8-hour shifts of 800 workers each.

M 14 Katyushas, 120cm in length and approximately 21cm in diameter, designed to be mounted on ZIS trucks, are manufactured in another section. Work is divided into three 8-hour shifts, with about 300 workers to a shift. Other sections of the plant produce household utensils, hand grenades, Type M-26 mine-throwers, various types of electric motors, rifle cartridges, and steel casings for artillery shells.

Equipment: Most machines are of German origin, though many were marked "Danemark, Waldmann", and a few had the names of American firms. Forges for the gun-barrel and oxygen-tank sections are equipped with 4 large gas-heated and three smaller coal-heated furnaces. The gun-barrel section has three electric hammers. Three different machines are used in sequence in milling the tubes. There are thirty sets of these machines in the factory.

New milling machinery of Japanese origin, marked "Tokio", arrived in

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the spring of 1946 together with several 20-ton cranes.

Power: Electricity is supplied from Chelyabinsk, but current is frequently interrupted for several hours at a time for unknown reasons.

400 tons of peat are consumed every 24 hours in the forge-servicing section. This fuel furnishes the necessary gas for the furnaces. Peat is brought to the factory by rail from Pervo'uralsk.

Transportation: The factory has an extensive network of narrow and wide gauge rail lines connecting the different sections and leading to the Pervo'uralsk railroad station. Approximately 30 locomotives are in constant use.

Employment: Constructed in 1941, the factory is still expanding. As of July 1946 all sections were operating at full strength, with a total of 14,000 workers employed in three 8-hour shifts.

Personalities: Director - Osachev

Chief Engineer - Tikhonov

Chief Engineer, Gun-Barrel Section - Maslavski

Gun-Barrel Section Chief - Feldman

Miscellaneous: The oxygen-tank section is reported by several Subsources to produce 6 carloads of metal tubes every 24 hours. The tubes are cut with oxy-acetylene torches into pieces ranging from 40 to 150cm in length and are subsequently processed in other sections.

Each section of the factory has a distinctive entry permit; visiting among the sections is prohibited.

2. "Chrom-Pik" Chemical Factory

Nature of output unknown. Employs approximately 6,000 workers.

3. Ural Machine Factory

Located from 5 to 6 kilometers from the Pervo'uralsk railroad station, the factory, employing more than 2,000 workers, produces tank parts, armor plates, and heavy turrets.

4. Titano-Magneto Mines

Situated 6 kilometers east of Pervo'uralsk; mine production is unknown.

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